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Knight et al. (43) **Pub. Date: Sep. 4, 2003**(54) **COMMUNICATIONS BRIDGE BETWEEN A
VEHICLE INFORMATION NETWORK AND
A REMOTE SYSTEM****Related U.S. Application Data**(63) Continuation-in-part of application No. 10/082,196,
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(52) **U.S. Cl.** **709/249; 701/1**(57) **ABSTRACT**

A communications bridge between a communications network carried by a motor vehicle and configured for communications according to a first protocol and a remote system configured for communications according to a second protocol, includes a first interface configured for coupling to the communications network, a second interface configured for coupling to the remote system, and a digital signal processor (DSP) configured to process multiple operations per instruction cycle. The DSP receives information from the communications network via the first interface, converts this information to the second protocol and transmits the information converted to the second protocol to the remote system via the second interface. The DSP further receives information from the remote system via the second interface, converts this information to the first protocol and transmits the information converted to the first protocol to the communications network via the first interface.

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